

Parth Agrawal
Data Scientist
Technical Writer/ Consultant

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EDUCATION

- **Udacity** Online Classroom
Deep Learning Nanodegree Mar 2018 – May 2018
- **Institute of Technology, Nirma University** Ahmedabad, India
Bachelor of Technology in Information Technology; CGPA: 8.05/10.0 Aug 2012 – July 2016

EXPERIENCE

- **OpenAlchemy (Self-Employed)** Ahmedabad, India
Data Science Consultant Aug 2019 - Present
 - **Edtech Startup (Indian/American)**: Worked on custom OCR and symbol detection for automatic grading assessment app working offline, data pipelining, tflite models and workbook product designing
 - **NLP - (Indonesian)**: Word sense disambiguation, part of speech tagging in Indonesian Bahasa.
 - **Data Product - (Dubai)**: Voice agent for booking services, architecting backend operations services and data sources.
- **Fero.Ai** Ahmedabad, India
AI Product Development Manager Dec 2018 - July 2019
 - **UAE's First Freight Voice Agent**: Smart Voice Agent TIA running on Dialogflow, Custom Logic and RPA Bot. Managing a team of 5, pitched to Saudi Aramco
 - **Integrated Portal**: Shippers, Transporters all functions like Rate Enquiry, Smart Contracts, Order Tracking and Status, Invoicing
- **Playpower Labs** Gandhinagar, India
Data Scientist June 2018 - Feb 2019
 - **User Analytics and Data Migration (Pearson USA)**: Analytical dashboards in R, data migration of 500k organizations (schools, districts) to a new system.
 - **Computer Vision**: Formative assessment and adaptive learning tools and applications developed using tflite, ocr, flutter, flask and glyph detection
- **Amnex Infotechnologies** Ahmedabad, India
Machine Learning Engineer Jan 2018- May 2018
 - **Traffic Analytics**: Created custom vehicle detection algorithm, mapped with statistical models to optimise vehicular flow and adaptive traffic light timings
 - **Crop Yield Estimation**: Analysing satellite 4-band data for Gujarat region to classify crops, patterns using LSTM and a fusion of Random Forest and SVM
- **Samsung Research Institute** Noida, India
Intern + Engineer Jan 2016 - Dec 2016
 - **Ideation and Network Team**: Worked on patentable ideas related to IPS and Beacons. Worked a bit with RCS, VoLTE and 5G
 - **Smart MessageBox App**: Android Application which allows the user to translate incoming messages into their locale, spam classification and message clustering.

PROJECTS

- **Spockbot**: A python compiler + bot which can run pythonic snippets and suggest you solutions from stackoverflow.
- **OpenAlchemy**: Designing content, delivering training to students on topics like data wrangling, python, neural networks, mentoring on data driven project ideas for free

PROGRAMMING SKILLS

- **Languages**: Python, R, C++, Javascript **Technologies**: Tensorflow, Pytorch, AWS, Android, Dialogflow

EXTRACURRICULAR SKILLS

- **Writing**: Technical blogs, Movie Reviews, Poems, Drama **Quizzing**: Won/Hosted quizzes at IIM-A, Nirma